

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/542,408B
Source: IFWP
Date Processed by STIC: 11/27/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 01/10/06



IFWO

RAW SEQUENCE LISTING

DATE: 11/27/2006

PATENT APPLICATION: US/10/542,408B

TIME: 13:28:07

Input Set : N:\efs\11_27_06\10542408b_efs\3136us0pseq.txt

Output Set: N:\CRF4\11242006\J542408B.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: ITO, Yasuaki
 4 FUJII, Ryo
 5 HINUMA, Shuji
 6 FUKUSUMI, Shoji
 7 MARUYAMA, Minoru
 9 <120> TITLE OF INVENTION: Novel Screening Method
 11 <130> FILE REFERENCE: 3136 USOP
 13 <140> CURRENT APPLICATION NUMBER: US 10/542408B
 14 <141> CURRENT FILING DATE: 2005-07-15
 16 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/000248
 17 <151> PRIOR FILING DATE: 2004-01-15
 19 <150> PRIOR APPLICATION NUMBER: JP 2003-010001
 20 <151> PRIOR FILING DATE: 2003-01-17
 22 <150> PRIOR APPLICATION NUMBER: JP 2003-104540
 23 <151> PRIOR FILING DATE: 2003-04-08
 25 <150> PRIOR APPLICATION NUMBER: JP 2003-194497
 26 <151> PRIOR FILING DATE: 2003-07-09
 28 <150> PRIOR APPLICATION NUMBER: JP 2003-329080
 29 <151> PRIOR FILING DATE: 2003-09-19
 W--> 31 <150> PRIOR APPLICATION NO: PCT/JP2004/000248
 32 <151> PRIOR FILING DATE: 2004-01-15
 34 <160> NUMBER OF SEQ ID NOS: 22
 36 <210> SEQ ID NO: 1
 37 <211> LENGTH: 361
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Homo sapiens
 41 <400> SEQUENCE: 1
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 43 5 10 15
 44 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
 45 20 25 30
 46 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
 47 35 40 45
 48 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
 49 50 55 60
 50 Val Ala Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
 51 65 70 75 80
 52 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
 53 85 90 95
 54 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
 55 100 105 110
 56 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
 57 115 120 125

see P. 6 and P. 8
delete - already shown above

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Input Set : N:\efs\11_27_06\10542408b_efs\3136us0pseq.txt

Output Set: N:\CRF4\11242006\J542408B.raw

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58 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
59      130                      135                      140
60 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
61 145                      150                      155                      160
62 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
63                      165                      170                      175
64 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
65                      180                      185                      190
66 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
67      195                      200                      205
68 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
69      210                      215                      220
70 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
71 225                      230                      235                      240
72 Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
73                      245                      250                      255
74 Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
75                      260                      265                      270
76 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
77      275                      280                      285
78 Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
79      290                      295                      300
80 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
81 305                      310                      315                      320
82 Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
83                      325                      330                      335
84 Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
85      340                      345                      350
86 Arg Asn Asp Leu Ser Ile Ile Ser Gly
87      355                      360

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89 <210> SEQ ID NO: 2

90 <211> LENGTH: 1083

91 <212> TYPE: DNA

92 <213> ORGANISM: Homo sapiens

94 <400> SEQUENCE: 2

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96 aaccgcaccc gctttccctt cttctccgac gtcaagggcg accaccggct ggtgctggcc 120
97 gcggtggaga caaccgtgct ggtgctcatc ttgagcgtgt cgctgctggg caacgtgtgc 180
98 gccctggtgc tgggtggcgcg ccgacgacgc cgcggcgcga ctgcctgcct ggtactcaac 240
99 ctcttctgcg cggacctgct cttcatcagc gctatccctc tgggtgctggc cgtgcgctgg 300
100 actgaggcct ggctgctggg ccccgttgcc tgccacctgc tcttctacgt gatgaccctg 360
101 agcggcagcg tcaccatcct cacgctggcc gcggtcagcc tggagcgcct ggtgtgcac 420
102 gtgcacctgc agcgcggcgt gcggggctct gggcggcggg cgcgggcagt gctgctggcg 480
103 ctcatctggg gctattcggc ggtcgccgct ctgcctctct gctcttctt ccgagtcgtc 540
104 ccgcaacggc tccccggcgc cgaccaggaa atttcgattt gcacactgat ttggcccacc 600
105 attcctggag agatctcgtg ggatgtctct tttgttactt tgaacttctt ggtgccagga 660
106 ctgggtcattg tgatcagtta ctccaaaatt ttacagatca caaaggcatc aaggaagagg 720
107 ctacacggtaa gcctggccta ctcgagagac caccagatcc gcgtgtccca gcaggacttc 780
108 cggctcttcc gcacctctt cctcctcatg gtctccttct tcatcatgtg gagccccatc 840

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RAW SEQUENCE LISTING

DATE: 11/27/2006

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TIME: 13:28:07

Input Set : N:\efs\11_27_06\10542408b_efs\3136us0pseq.txt

Output Set: N:\CRF4\11242006\J542408B.raw

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109 atcatcacca tctctctcat cctgatccag aacttcaagc aagacctggt catctggccg 900
110 tccctcttct tctgggtggt gcccttcaca ttgctaatt cagccctaaa ccccatcctc 960
111 tacaacatga cactgtgcag gaatgagtgg aagaaaattt ttgctgctt ctggttccca 1020
112 gaaaaggagg ccattttaac agacacatct gtcaaaagaa atgacttgtc gattatttct 1080
113 ggc 1083
115 <210> SEQ ID NO: 3
116 <211> LENGTH: 361
117 <212> TYPE: PRT
118 <213> ORGANISM: Mus musculus
120 <400> SEQUENCE: 3
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122 5 10 15
123 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
124 20 25 30
125 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
126 35 40 45
127 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
128 50 55 60
129 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
130 65 70 75 80
131 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
132 85 90 95
133 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
134 100 105 110
135 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
136 115 120 125
137 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
138 130 135 140
139 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
140 145 150 155 160
141 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
142 165 170 175
143 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
144 180 185 190
145 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
146 195 200 205
147 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
148 210 215 220
149 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
150 225 230 235 240
151 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
152 245 250 255
153 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
154 260 265 270
155 Phe Phe Ile Met Trp Ser Pro Ile Ile Thr Ile Leu Leu Ile Leu
156 275 280 285
157 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
158 290 295 300
159 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu

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Output Set: N:\CRF4\11242006\J542408B.raw

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160 305          310          315          320
161 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys
162          325          330          335
163 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
164          340          345          350
165 Arg Asn Asp Leu Ser Val Ile Ser Ser
166          355          360
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 1083
170 <212> TYPE: DNA
171 <213> ORGANISM: Mus musculus
173 <400> SEQUENCE: 4
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175 aatcgcaccc acttcccttt cttctcggat gtcaaggcg accaccggtt ggtgttgagc 120
176 gtcgtggaga ccaccgttct ggggctcatc tttgtcgtct cactgctggg caacgtgtgt 180
177 gctctagtgc tgggtggcgc cgtcggcgc cgtggggcga cagccagcct ggtgctcaac 240
178 ctcttctgcg cggatttget cttcaccagc gccatccctc tagtgctcgt cgtgcgctgg 300
179 actgaggcct ggctgttggg gcccgctcgtc tgccacctgc tcttctacgt gatgacaatg 360
180 agcggcagcg tcaagatcct cacactggcc gcggtcagcc tggagcgcct ggtgtgcatc 420
181 gtgcgcctcc ggcgggctt gagcggcccg gggcggcgga ctgaggcggc actgctggct 480
182 ttcatatggg gttactcggc gctcgccgcg ctgcccctct gcactctgtt ccgcgtggtc 540
183 ccgcagcgcc tcccggcggg ggaccaggaa attccgattt gcacattgga ttggcccaac 600
184 cgcataaggag aaatctcatg ggatgtgttt tttgtgactt tgaacttcct ggtgccggga 660
185 ctggtcattg tgatcagtta ctccaaaatt ttacagatca cgaaagcatc gcggaagagg 720
186 cttacgctga gcttggcata ctctgagagc caccagatcc gagtgtccca acaagactac 780
187 cgactcttcc gcacgctctt cctgctcatg gtttccttct tcatcatgtg gagtcccatc 840
188 atcatcacca tctctctcat cttgatccaa aacttcgggc aggacctggg catctggcca 900
189 tcccttttct tctgggtggg ggccttcacg tttgccaact ctgccctaaa cccatactg 960
190 tacaacatgt cgctgttcag gaacgaatgg aggaagattt tttgctgctt cttttttcca 1020
191 gagaaggagg ccattttttac agacacgtct gtcaggcgaa atgacttgtc tgttatttcc 1080
192 agc 1083
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195 <211> LENGTH: 20
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: primer
202 <400> SEQUENCE: 5
203 gctgtggcat gcttttaaac 20
205 <210> SEQ ID NO: 6
206 <211> LENGTH: 20
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: primer
213 <400> SEQUENCE: 6
214 cgctgtggat gtctatttgc 20
216 <210> SEQ ID NO: 7
217 <211> LENGTH: 30

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RAW SEQUENCE LISTING

DATE: 11/27/2006

PATENT APPLICATION: US/10/542,408B

TIME: 13:28:07

Input Set : N:\efs\11_27_06\10542408b_efs\3136us0pseq.txt

Output Set: N:\CRF4\11242006\J542408B.raw

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219 <213> ORGANISM: Artificial Sequence
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222 <223> OTHER INFORMATION: primer
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228 <211> LENGTH: 361
229 <212> TYPE: PRT
230 <213> ORGANISM: Rattus norvegicus
232 <400> SEQUENCE: 8
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234           5              10              15
235 Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
236           20              25              30
237 Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
238           35              40              45
239 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
240           50              55              60
241 Val Val Arg Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn
242           65              70              75              80
243 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
244           85              90              95
245 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
246           100             105             110
247 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
248           115             120             125
249 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
250           130             135             140
251 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
252           145             150             155             160
253 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
254           165             170             175
255 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
256           180             185             190
257 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
258           195             200             205
259 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
260           210             215             220
261 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
262           225             230             235             240
263 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
264           245             250             255
265 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
266           260             265             270
267 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
268           275             280             285
269 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
270           290             295             300

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/27/2006
PATENT APPLICATION: US/10/542,408B TIME: 13:28:08

Input Set : N:\efs\11_27_06\10542408b_efs\3136us0pseq.txt
Output Set: N:\CRF4\11242006\J542408B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 20,21

Seq#:22; N Pos. 1,2

10/542,408B 8

<210> 21
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<221> misc_RNA
<222> (20)..(21)
<223> n stands for deoxy thymidine

<400> 21
ggaccaggaa auuccgauun n

<210> 22
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<221> misc_RNA
<222> (1)..(2)
<223> n stands for deoxy thymidine

<400> 22
nnccuggucc uuuaaggcua a

no +s (or modified +s) allowed in
an RNA sequence, even if
they're represented by n's.

²¹
FYI: For a combined DNA/RNA
sequence, use <212> DNA
and explain in <220>-<223>
section that it is a combined
DNA/RNA sequence.

VERIFICATION SUMMARY

DATE: 11/27/2006

PATENT APPLICATION: US/10/542,408B

TIME: 13:28:08

Input Set : N:\efs\11_27_06\10542408b_efs\3136us0pseq.txt

Output Set: N:\CRF4\11242006\J542408B.raw

L:31 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER

L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0